

**Soil and Rock Logging, Classification, and Presentation Manual (2010)**  
**Errata Sheet (October 2015)**

<b>Section # Page #</b>	<b>Description</b>
Figure 2-3 Page 7	Part 8, <i>Hole Completion</i> , 2 <sup>th</sup> bullet is amended to read: <ul style="list-style-type: none"> <li>• <i>Sealing Method (e.g., grout, dry bentonite chips)</i></li> </ul>
Figure 2-3 Page 7	Add new: <ul style="list-style-type: none"> <li>• Part 9, <b><i>“Instrumentation Installed”</i></b></li> </ul>
Page 10	Add new: <p>Section 2.5.1.3, <b><i>“Description of Isolated Interbeds/layer”</i></b></p> <p><i>For small isolated layers or interbeds, it is acceptable to call out the isolated layer without having to create a new layer as long as the following conditions are met: (1) the isolated layer must be 2 feet thick or less, and (2) the isolated layer must be described completely per Sec. 2.5.1, and (3) predominant soil description above and below the isolated layer are the same.</i></p> <p><i>Poorly Graded SAND (SP); dense; brown; moist; fine sand.</i></p> <p><i>6 inch thick interbed of Fat Clay (CH); very stiff; black; moist; PP=3 tsf.</i></p>
Page 10	Change <b>2.5.1.3 Description of Fills</b> to <b>2.5.1.4</b>
Section 2.5.2 Page 11	The 2 <sup>nd</sup> paragraph is amended to read: <p><i>The ASTM procedure for identifying and describing fine-grained and coarse-grained soil is only applicable to material passing the 3-inch sieve. The percentage(s) of cobbles and/or boulders (if encountered) must be reported per Section 2.5.17 <b>and the group name must be modified accordingly.</b></i></p>

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Section 2.5.2 Page 11	<p>The text is modified as follows:</p> <p><i>The group name for a soil with a borderline symbol must be the group name for the first symbol. <del>except for:</del></i></p> <ul style="list-style-type: none"> <li>• <del>CL/CH lean to fat CLAY</del></li> <li>• <del>ML/CL CLAYEY SILT, and</del></li> <li>• <del>CL/ML SILTY CLAY</del></li> </ul>												
Sec. 2.5.2 Page 11	<p><b>Dual Symbol</b> is modified as follows:</p> <p><i>A dual symbol is two symbols separated by a hyphen, e.g., GP-GM, SW-SC, GW-GC. They are used to indicate that a soil has about 10% fines.</i></p>												
Figure 2-13 Page 17	<p>The figure is amended to read:</p> <p><b>Percent or Proportion of Soil, Pp</b></p> <table border="1"> <thead> <tr> <th><b>Description</b></th><th><b>Criteria</b></th></tr> </thead> <tbody> <tr> <td><i>Trace</i></td><td><i>Particles are present but estimated to be less than 5%</i></td></tr> <tr> <td><i>Few</i></td><td><i>5 - 10%</i></td></tr> <tr> <td><i>Little</i></td><td><i>15 - 25%</i></td></tr> <tr> <td><i>Some</i></td><td><i>30 - 45%</i></td></tr> <tr> <td><i>Mostly</i></td><td><i>50 - 100%</i></td></tr> </tbody> </table>	<b>Description</b>	<b>Criteria</b>	<i>Trace</i>	<i>Particles are present but estimated to be less than 5%</i>	<i>Few</i>	<i>5 - 10%</i>	<i>Little</i>	<i>15 - 25%</i>	<i>Some</i>	<i>30 - 45%</i>	<i>Mostly</i>	<i>50 - 100%</i>
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Figure 2-14 Page 17	<p>The figure is amended to read:</p> <p><b>Particle Size, Ps</b></p> <table><tr><th>Description</th><th>Sieve Size</th><th>Approximate Particle Size (in)</th></tr><tr><td>Boulder</td><td>Greater than 12 in.</td><td>12 &lt; Ps</td></tr><tr><td>Cobble</td><td>3 - 12 in.</td><td>3 &lt; Ps ≤ 12</td></tr><tr><td>Coarse Gravel</td><td>3/4 - 3 in.</td><td>3/4 &lt; Ps ≤ 3</td></tr><tr><td>Fine Gravel</td><td>No. 4 - 3/4 in.</td><td>1/5 &lt; Ps ≤ 3/4</td></tr><tr><td>Coarse Sand</td><td>No. 10 - No. 4</td><td>1/16 &lt; Ps ≤ 1/5</td></tr><tr><td>Medium Sand</td><td>No. 40 - No. 10</td><td>1/64 &lt; Ps ≤ 1/16</td></tr><tr><td>Fine Sand</td><td>No. 200 - No. 40</td><td>1/300 &lt; Ps ≤ 1/64</td></tr><tr><td>Fines</td><td>Passing No. 200</td><td>Ps ≤ 1/300</td></tr></table>	Description	Sieve Size	Approximate Particle Size (in)	Boulder	Greater than 12 in.	12 < Ps	Cobble	3 - 12 in.	3 < Ps ≤ 12	Coarse Gravel	3/4 - 3 in.	3/4 < Ps ≤ 3	Fine Gravel	No. 4 - 3/4 in.	1/5 < Ps ≤ 3/4	Coarse Sand	No. 10 - No. 4	1/16 < Ps ≤ 1/5	Medium Sand	No. 40 - No. 10	1/64 < Ps ≤ 1/16	Fine Sand	No. 200 - No. 40	1/300 < Ps ≤ 1/64	Fines	Passing No. 200	Ps ≤ 1/300
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Sec. 2.5.19 Page 21	<p>“Additional Comments”, add bullet:</p> <ul style="list-style-type: none"><li>No SPT recovery from elev. XX to elev. XX</li></ul>																											
Figure 2-23 Page 22	<p>Item 11, “Relative Strength of Intact Rock”, is amended to read:</p> <table><tr><td>11</td><td>Relative Strength of Intact Rock</td><td></td><td>3.3</td><td></td><td>○</td></tr></table>	11	Relative Strength of Intact Rock		3.3		○																					
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Section 2.6.1.3 Page 23	<p>Add the following to the end of the section:</p> <p><i>If subsequent changes only occur in the soil properties, these changes can be shown independently in parentheses.</i></p> <p><i>SEDIMENTARY ROCK (SANDSTONE); medium grained; gray; intensely weathered; soft; unfractured (Well-graded SAND (SW); medium dense; moist; medium sand; weak cementation)</i></p> <p><i>(dense)</i></p> <p><i>(medium dense)</i></p>																											

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Section # Page #	Description										
Figure 2-44 Page 36 & 37	<p>Add new row:</p> <table><tr><th>Test Method(s)</th><th>Test Name</th><th>Material Required</th><th>Typical Sample Size/Type</th><th>TL-101 Required</th></tr><tr><td>ASTM D 6467</td><td>Drained Residual Shear Strength</td><td>1 lb.</td><td>1 Tube</td><td>No</td></tr></table> <p>Also:</p> <ul style="list-style-type: none"><li>• Replace “ASTM D 5333” with ASTM D 4546”</li><li>• Delete “ASTM D 427”</li><li>• Replace “ASTM D 2938” with “ASTM D 7012 Method C”</li><li>• Replace “ASTM D 4767” with “ASTM D 7263”</li></ul>	Test Method(s)	Test Name	Material Required	Typical Sample Size/Type	TL-101 Required	ASTM D 6467	Drained Residual Shear Strength	1 lb.	1 Tube	No
Test Method(s)	Test Name	Material Required	Typical Sample Size/Type	TL-101 Required							
ASTM D 6467	Drained Residual Shear Strength	1 lb.	1 Tube	No							
Section 5.2.2 Page 59	<p>Add bullets to “<b>Optional notes may include:</b>”</p> <ul style="list-style-type: none"><li>• Depth and length of no recovery</li><li>• No SPT recovery from elev XX to elev XX</li></ul>										
Section 5.2.3.3 Page 60	<p>Item (a) is amended to read:</p> <p><i>The Plan View <b>should</b> be shown at the top of the first LOTB sheet. When the site is sufficiently large or complex, the first LOTB sheet should be used entirely for the Plan View.</i></p> <p>Item (d):</p> <p>Change “BENCHMARK” to “BENCH MARK”</p>										
Section 5.2.3.4 Page 61	<p>Add:</p> <p><i>l) Show RQD and/or recovery</i></p>										
Figure 5-3 Page 63	<p>Add:</p> <ul style="list-style-type: none"><li>• <i>Groundwater symbol to CPT boring</i></li><li>• <i>Next to the diamond “symbol”, add Hole Type “RC” and Description “Rotary core with continuously-sampled, self-casing wire-line”</i></li></ul>										

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Figure 5-4 Page 64	<p>Under Field and Laboratory Testing:</p> <ul style="list-style-type: none"><li>• Add “DR – Drained Residual Shear Strength (ASTM D 6467)”</li><li>• Replace “CL – Collapse Potential (ASTM D 5333)” with “CL – Collapse Potential (ASTM D 4546)”</li><li>• Delete “SL – Shrinkage Limit (ASTM D 427)”</li><li>• Replace “Unconfined Compression – Rock (ASTM D 2938)” with “Unconfined Compression – Rock (ASTM D 7012 Method C)”</li><li>• Replace “UW – Unit Weight (ASTM D 4767)” with “UW – Unit Weight (ASTM D 7263)”</li></ul>
Section A.10 Page 81	<p>End of second paragraph, add:</p> <ul style="list-style-type: none"><li>• <i>“Mechanical breaks must be fitted together and counted as one piece.”</i></li></ul>